

ABSTRACT

Distributed arbitration in a full-duplex bus system. By distributing the arbitration function among the nodes of a tree topology full-duplex bus system such that arbitration at any particular time is handled by a node holding a grant of the bus at that time (the nominal root node), a reverse flow direction towards the nominal root node is available for arbitration flow. This allows the discrete arbitration phase to be eliminated and generally improves bus efficiency.

042390.P5378C